

MODIFIED BACTERIAL CELLULOSE

ABSTRACT OF THE DISCLOSURE

5 This invention provides a bacterial cellulose comprising
ribbon-shaped microfibrils having a thickness of 1 to 9 nm and a
width of 250 to 1000 nm. The bacterial cellulose can be
produced by culturing cellulose-producing bacteria in a culture
medium containig a cell division inhibitor. The bacterial
10 cellulose is modified from conventional bacterial cellulose in the
major axis (width), and is improved in Young's modulus, etc.